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WIRELESS INSTITUTE OF AUSTRALIA

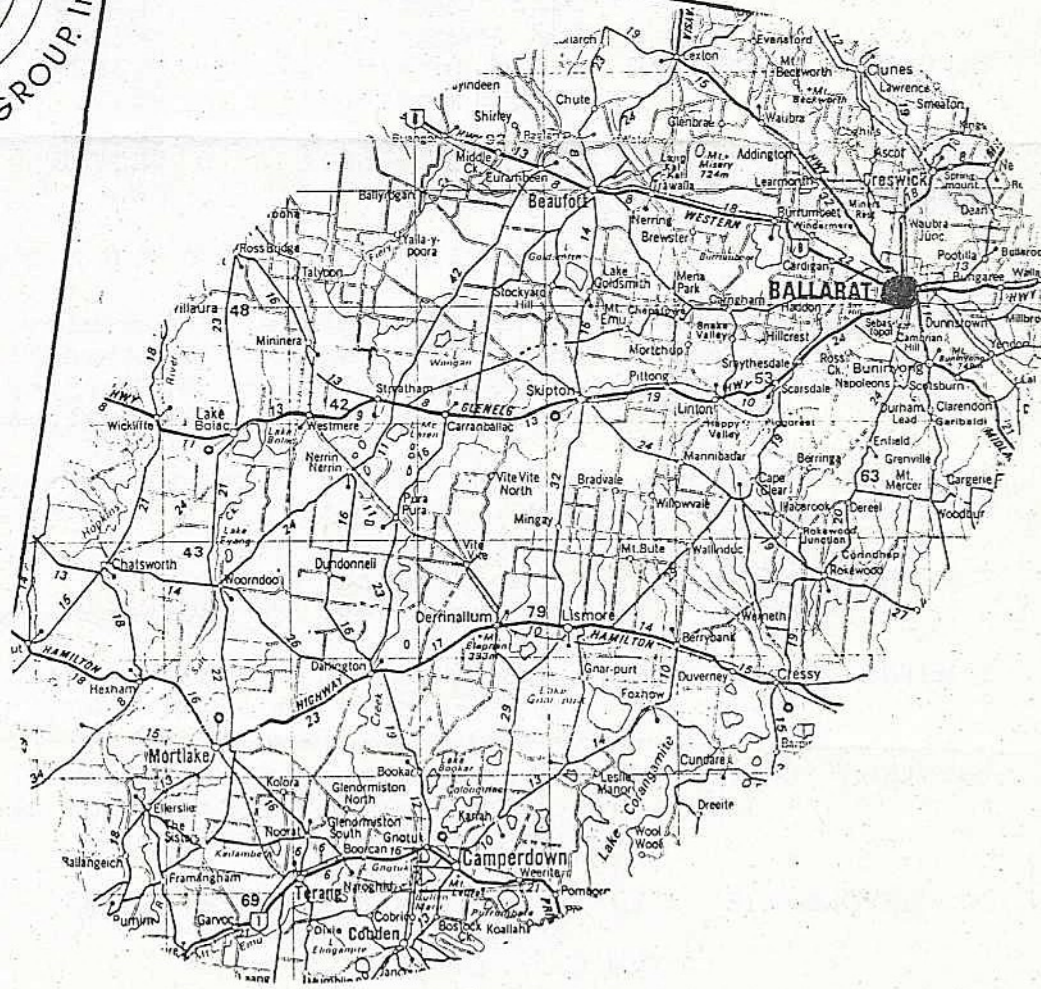
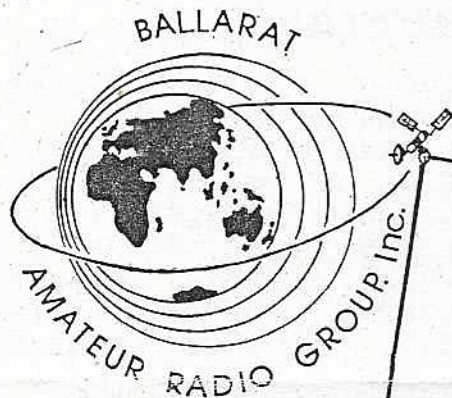


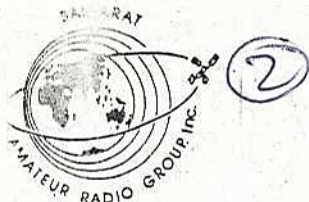
B·A·R·G NEWS

Apr 92

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© Monthly Newsletter of the
Ballarat Amateur Radio Group





EXECUTIVE COMMITTEE 1991/92

			HOME	WORK
PRESIDENT	Tom George	VK3DMK	355662	327234
IMM. PAST PRESIDENT	Ian McDonald	VK3AXH		311317
VICE PRESIDENT	Ian Robinson	VK3FD	358031	315911
SECRETARY	Jim Wright	VK3CFB	327563	
TREASURER	Harry Hekkema	VK3KGL	357563	391001
ASST. SECRETARY	George Fowler	VK3DOK	326863	391954
PUBLICITY OFFICER	John Hazledine	VK3CFH	391971	391035
EDUCATION OFFICER	Ian McDonald	VK3AXH		311317
NET CO-ORDINATOR	John Hazledine	VK3CFH	391971	391035
TECHNICAL OFFICER	Dick Antoziewicz	VK3AEX	323273	311818
MEMBERS' REPS.	Mary Curnow	VK3FMC	301927	
	Reg. Carter	VK3CAZ	417585	

OFFICERS AND COMMITTEES

QSL MANAGER	Jeff Pigdon	VK3PAP	327041	311211
AWARDS MANAGER	Maurie Batt	VK3XEX	422245	
PROPERTY OFFICER	Dick Antoziewicz	VK3AEX	323273	311818
HAMFEST CONVENER	Kevin Hughes	VK3WN	355011	
WICEN COMMITTEE	Gordon Cornell	VK3KGC	392427	391135
	Geoff Smith	VK3ADB	332112	
	Tom George	VK3DMK	355662	327234
TECHNICAL COMMITTEE	Ian McDonald	VK3AXH		311317
	Dick Forrester	VK3VU	357663	391001
	Merv Hooley	VK3KAW		311317
	David McConnell	VK3YNB		
NEWSLETTER EDITOR	Norm D'Angri	SWL	341613	

□ □

REPEATERS: VK3RBA - 146.750 MHz. Voice. Mt. Buninyong. (Ch. 3)
 VK3RBS - 146.900 MHz. Voice. Smeaton Hill. (Ch. 6)
 VK3RPC - 147.600 MHz. Packet Mt. Warrenheip
 VK3RBU - 438.475 MHz. Voice. Mt. Hollowback

CLUB NET: Thursday nights at 8 pm. (8.30 pm. during daylight saving)
 Freq. - 3.610 MHz. +/- QRM.

FOX HUNTS: Monday nights at 7.30 pm.
 Freq. - 146.500 MHz. Meet at Education Centre - Hopetoun St.

2 METRE SCRAMBLE: Sunday nights at 7.50 pm.
 Freq. - 146.425 MHz. to 146.600 MHz. Call back on VK3RBA.

MEETINGS: Last Friday of every month at 7.30 pm. at
 Ballarat Community Education Centre
 Hopetoun St. Ballarat.

CORRESPONDENCE: Please address all correspondence to:

The Secretary
 B. A. R. G. Inc.
 P. O. BOX 1216
 MAIL CENTRE BALLARAT 3354

BALLARAT





B. A. R. G. NEWS

APRIL 1992

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PRESIDENT'S REPORT

I hope everybody had a Happy Easter.
There is very little to report on this month.

I should be getting some more up to date scramble sheets this month.
I had some handed to me at the last meeting but there must still be some late logs around. The results below show 8 stations participating, yet logs show somewhere between 9 and 15 contacts at contest time.

Next month is our Junk/Treasure Auction Sale so we had better start working out what junk can be passed on to someone who might possibly have a use for it.

By the way don't think that because the Newsletter is looking good that articles are not required. The editor is ALWAYS looking for material to include in these pages.

See you at the meeting and 73

Tom VK3DMK

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SCRAMBLE RESULTS UPDATE

VK3KAY	271
VK3FMC	216
VK3DCS	209
VK3DOK	181
VK3VEJ	172
VK3CIS	104
VK3JAT	83
VK3DET	54

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COMPUTER DICTIONARY

DEBUG De ting killed wid de fly spray.

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6 METRE ALL MODE TRANSCEIVER
WITH DESK MIC., HANDBOOK, AND SERVICE MANUAL
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MINUTES OF GENERAL MEETING HELD ON 27th MARCH 1992.MEETING OPENED by President Tom VK3 DMK at 7.50pm with 38 members in attendance.APOLOGIES VK3 ANH, VTR, AXH, TPG, KIT, SR, SE, NIZ, ND, PFF, KGF, IBM.MINUTES AS CIRCULATED WERE CONFIRMED. DOK/XDU.CORRESPONDENCE IN WIA re changes in site lease at Smeaton Hill.CORRESPONDENCE OUT DOTC requesting permission to use VK3 BML call at field day.
Paul VK3 NFJ information on Club awards available.TREASURERS REPORT Treasurer Harry not available.CLUB NET John CFH reported that net is still well supported.EDUCATION NAOCP course going well with 9 students still attending.TECHNICAL Merv KAW reported that the 432mhz repeater is back on air, the UHF repeater is still operating well from Dick AEX's QTH pending installation at Mt. Hollowback and components for the Packet link up are coming to hand.WICEN Gordon FGC reported that the Begonia Fun Run and car rally went well although more operators were needed at the rally.
Tom DMK conducted the regional WICEN and SES meeting, it was proposed that uniforms be worn by WICEN operators.BEGONIA FESTIVAL This was a great success and a minute of thanks to Charley DCS and all members who assisted was carried with acclamation.JOHN MOYLE CONTEST This was well supported with many members attending complete with caravans and tents. A good time was had by all except Daniel who's rig packed up, this could have been caused by a surge from the hired generator and it was moved by DOK seconded CAZ that BARG will meet the cost of repairs. motion was carried.GENERAL BUSINESS. Secretary to write letters of thanks to Barry Wilkins for assistance at Begonia Festival and Mr C. Everett for the use of his paddock for John Moyle Contest.

Gordon FGC gave a report on long range plans to utilize the Observatory site with a possibility of permanent clubrooms becoming available also there may be a site available at Lamberis Reserve.

It was resolved that the Club investigate the purchase of a tent for use at field days.

The Club will host a meeting of the Packet Radio Club later this year.

MEETING CLOSED at 8.35pm. 73s Jim CFB.

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NEXT BARG MEETING on Friday 24th April at Education Centre. 7.30pm.

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JUST A THOUGHT

How come there is only one Monopolies Commission ?



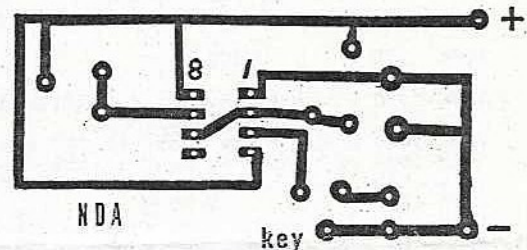
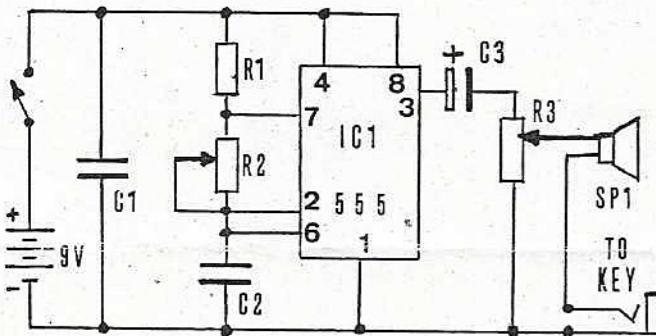
NOVICE 'HOME BREWERY'



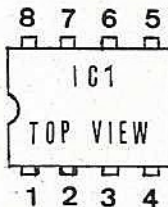
CODE OSCILLATOR FOR TRAINEES

Here is your chance to develop your construction skills and guarantee a pass in your code exam at the same time (well you've got to be positive). This little unit is completely portable and is suitable for use in the car, in bed, or in the loo, therefore you can maximise any spare time that you may have. The choice of cabinet is left to you, and the addition of an earphone output socket can be an advantage if others don't appreciate your 'Dits and Dahs'. An LED 'power on' indicator is also useful if you can afford the extra 20mA drain on the battery.

dah dah dit dit dit dit dit dit dah dah de Norm D'A.



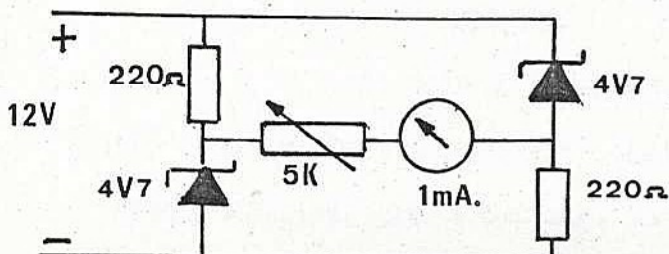
PCB (Copper Side)



- C1 .1µF Disc Ceramic 25 VDC Rating
- C2 .02µF Disc Ceramic 25 VDC Rating
- C3 25µF Electrolytic 25 VDC Rating
- R1 2.2K $\frac{1}{4}$ or $\frac{1}{2}$ Watt Resistor
- R2 100K Potentiometer (Tone Control)
- R3 10K Potentiometer (Volume Control)
- IC1 555 Timer.
- SP1 Loudspeaker 3 to 8 ohms

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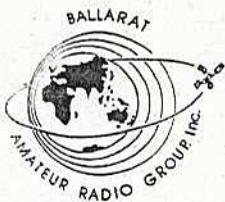
EXTENDED RANGE VOLTMETER



Most voltmeters tend to be difficult to read accurately when they are monitoring some values such as the state of charge of a 12 volt battery which is only useable over the range of say 13.6V to 12V.

This circuit will commence reading at about 10V and the range can be set by adjusting RV1.

VK3CAZ.



* MT. GAMBIER *

SOUTH EAST RADIO GROUP INC. 28TH. ANNUAL AMATEUR RADIO CONVENTION 1992 PROGRAM

SATURDAY 6TH. JUNE 1992

- 0900- Hall opens for the setting up of trade displays.
1300-1630 Register at Hall and collect meal tickets.
Event 1 1430-1510 2 Metre Fox Hunt 146.500 MHz.
Event 2 1520-1600 70 Cm. Fox Hunt 439.000 MHz.
Event 3 2000- 2 Mx., 70 Cm. & 10 Mx. Night Fox Hunt

SUNDAY 7TH. JUNE 1992

- 0800-1200 Register at Hall and collect meal tickets.
0840-0910 S.A. DIVISION W.I.A. Broadcast. Repeater 6900.
Event 4 0915-0925 15 Metre Scramble. Marshall 21.150 MHz.
Event 5 0930-0940 6 and 2 Metre S.S.B. Scramble Marshall 52.100 MHz.
and 144.100 MHz.
Event 6 0945-0955 Novelty Scramble 80Mx., 15 Mx. & 10 Mx. Marshall
21.150 MHz.
Event 7 1000-1010 10 Metre Scramble. Marshall 28.450 MHz.
Event 8 1015-1025 40 Metre Scramble. Marshall 7.070 MHz.
Event 9 1045-1145 2 Metre Hidden Transmitter Hunt. (3 Legs).
1st. Leg 146.500 MHz., 2nd. Leg 146.550 MHz.,
Hidden Transmitter 146.000MHz and 144.100 MHz.

1200-1300 B.B.Q. LUNCH

- Event 10 1300-1330 Childrens Event + Sniffer Hunt 144.000 MHz for
the Bigger Kids.
Event 11 1330-1420 6 Metre Fox Hunt. 52.100 MHz.
Event 12 1425-1505 80 Metre Fox Hunt. 3.585 MHz
Event 13 1510-1550 2 Metre Fox Hunt. 146.500 MHz.
Event 14 1555-1635 1.2 GHz. Fox Hunt.
Event 15 1640- Judging of Home Brew Competition by Eric Jamieson
VK5LP There are three sections from Novice to
Expert so if you've made something bring
it with you.
1700-1730 Trophy Presentation.
1730- S.E.R.G. TEA PREPARED BY THE SE.R.G. LADIES.

SOUTH EAST RADIO GROUP INC. 28TH. ANNUAL AMATEUR RADIO CONVENTION 1992

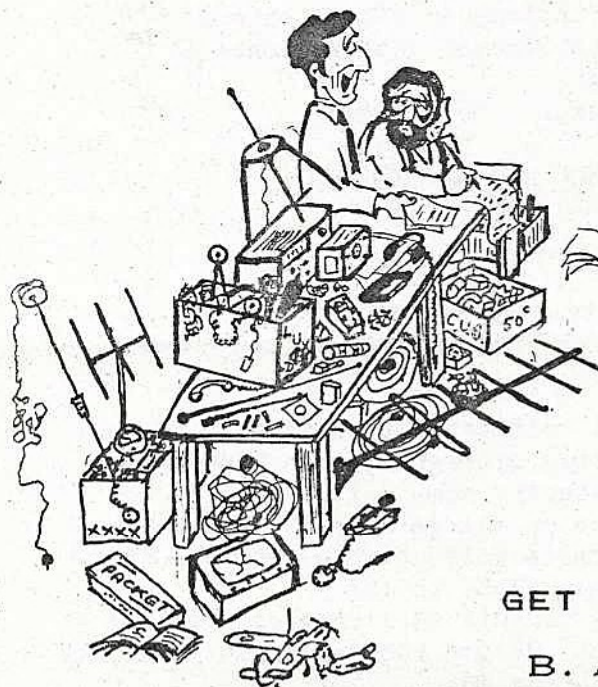
Registration Form

Single Ham.....@ \$20.00 each.....
Ham and XYL or OM..... \$28.00
Harmonics(School Age).....@ \$6.00 each.....

It is preferred that you register in advance so that a more accurate idea of catering requirements is possible.

Return to:-
S.E.R.G.,
P.O. Box 1103,
Mt. Gambier, S.A. 5290

NB. Fees have not been
increased for past three
years.



READY TO UPGRADE
YOUR
JUNK BOX ?

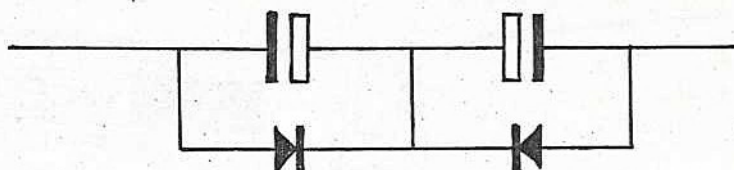
GET NEW JUNK FOR OLD JUNK AT THE
B. A. R. G. AUCTION MEETING
MAY 29TH.

ALL JUNK GUARANTEED (TO BE JUNK)

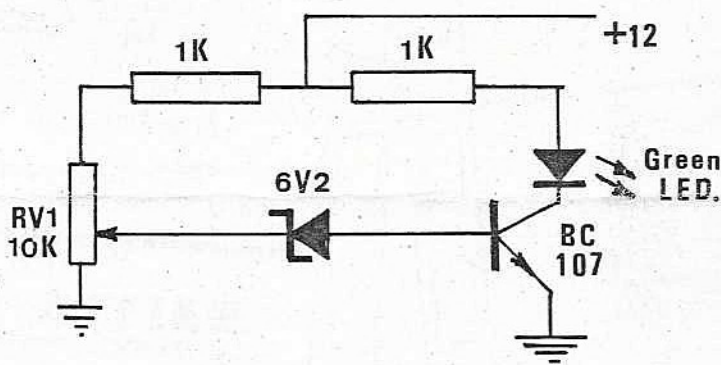
MEMBERS' PROJECTS

BI-POLARISING ELECTROLYTICS - VK3CAZ

If you need an odd-value bipolar electrolytic and have to utilise ordinary ones, then the addition of two diodes to the series combination will compensate for different leakage values.



SNAP ON/OFF BATTERY MONITOR - VK3CAZ



Apply voltage at the +12, at a value at which it is desired to have a "fail" indication, then adjust RV1 until the lamp just lights. When the battery volts fall below this value the zener will stop conducting and the green LED will go out. RV1 is best as a 10 turn potentiometer, for ease of adjustment.

(My thanks to Reg for his 3 contributions to this month's Newsletter, however there must be a host of similar projects, both big and small, in the files of other members. I am sure that most of them would be of interest to club members, so please forward them for publication. - Ed.)



MOORABBIN & DISTRICT RADIO CLUB

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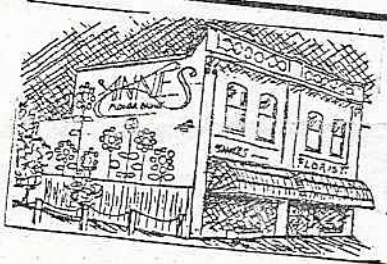
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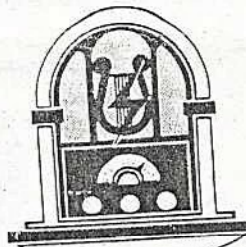
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